EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L24	9	(lin-dorothy).in.	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/21 13:02
L25	0	(brescia-rocco-j)".in"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/21 12:58
L26	0	(brescia-rocco-j).in.	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/21 12:58
L27	0	(jr-brescia-rocco-j).in.	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/21 12:58
L28	99	(brescia).in.	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/21 12:58
L29	5	(brescia-rocco).in.	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/21 13:01
L30	20	(chien-jen-chieh).in.	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/21 13:00
L31	8	(fanous-adel-f).in.	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/21 12:58
L32	22	(gin-alan).in.	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/21 12:59
L33	2	(dale-mark-r).in.	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/21 12:59
S1	0	satellite$1.ab.lt.bsum. and docsis and (ground or earth or land) adj station$1	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/18 21:48

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	3	satellite$1.ab. and docsis and (ground or earth or land) adj station$1	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/18 21:49
S3	114	satellite$1 and docsis and (ground or earth or land) adj station$1	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/18 21:49
S4	12888209	@ad<="20020913"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 21:30
S5	77	S3 S4	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/18 22:00
S6	3605	turbo with decod$4	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/18 22:01
S7	0	S5 S6	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/18 22:01
S8	6	S3 S6	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/18 22:01
S9	434863	decod$4	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/18 22:01
S10	70	S5 S9	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/18 22:01
S11	83991	mac	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/18 22:02
S12	46	S10 S11	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/18 22:02
S13	43399	turbo	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/18 22:02

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S14	0	S12 S13	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/18 22:02
S15	0	(satellite$1.ab.ti.bsum.) and docsis same mac decod$4	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 10:32
S16	0	(satellite$1.ab.ti.bsum.) and docsis mac decod$4	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 14:35
S17	204	(satellite$1.ab. or satellite$1.ti. or satellite$1.bsum.) and docsis mac decod$4	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 10:32
S18	127	(satellite$1.ab. or satellite$1.ti. or satellite$1.bsum.) and docsis same mac decod$4	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	.OFF	2007/12/19 14:36
S19	12	(satellite$1.ab. or satellite$1.ti. or satellite$1.bsum.) and docsis same mac decod$4 turbo	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 10:32
S20	12888209	@ad<="20020913"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 10:33
S21	6	S19 S20	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 10:37
S22	1	("5978370").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/12/19 10:47

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S23	24	(("6134419") or ("6208656") or ("6104908") or ("6137793") or ("5406570") or ("5446747") or ("5563897") or ("6065147") or ("6122763") or ("6119264") or ("6169728") or ("6459703") or ("6594467") or ("6807193") or ("6993007") or ("7002914") or ("20020036985") or ("20030058794") or ("20030069926") or ("20030147411") or ("20040022307") or ("20040006771") or ("20040017830") or ("20040162020")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/12/19 10:49
S24	0	(satellite$1.ab.ti.bsum.) and docsis mac decod$4 same turbo	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 14:35
S25	6	(satellite$1.ab. or satellite$1.ti. or satellite$1.bsum.) and docsis same mac decod$4 same turbo	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 15:51
S26	12888209	@ad<="20020913"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 14:36
S27	1	S25 S26	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 14:37
S28	7	(satellite$1) and docsis same mac decod$4 same turbo	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 15:50
S29	1	S28 S26	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 14:44
S30	11	(satellite$1) and docsis mac decod$4 same turbo	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 14:51
S31	3	S30 S26	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 14:44

EAST Search History

S32	11	(satellite$1) and (data adj over adj cable adj service adj interface adj specification or docsis) mac decod$4 same turbo	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 14:52
S33	16	(satellite$1) and (data adj over adj cable adj service adj interface adj specification or docsis) decod$4 same turbo	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 15:02
S34	3	S33 S26	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 15:00
S35	960	(satellite$1) and (data adj over adj cable adj service adj interface adj specification or docsis) decod$4	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 15:02
S36	50	(satellite$1) and (data adj over adj cable adj service adj interface adj specification or docsis) decod$4 turbo	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 15:02
S37	32	S36 S26	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 15:02
S38	246	(satellite$1) and docsis same mac decod$4	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 15:51
S39	0	(satellite$1.ti.abs.bsum.) and docsis same mac decod$4	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 15:51
S40	127	(satellite$1.ab. or satellite$1.ti. or satellite$1.bsum.) and docsis same mac decod$4	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 15:51
S41	60	S40 S26	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 15:52
S42	6	S40 S26 turbo	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 18:37
S43	1	("5978370").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/12/19 16:07

EAST Search History

S44	463	(satellite$3 or sat$1ellite$3) docsis mac decod$4	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 17:17
S45	35	(satellite$3 or sat$1ellite$3) docsis mac decod$4 turbo	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 17:17
S46	12888209	@ad<="20020913"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 17:17
S47	26	S45 S46	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 17:27
S48	775	turbo with decod$4 satellite	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 17:27
S49	76	turbo with decod$4 satellite mac	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 18:12
S50	24	S49 S46	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 17:27
S51	14	turbo with decod$4 satellite docsis	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 18:12
S52	12888209	@ad<="20020913"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 18:13
S53	3	S51 S52	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 18:13
S54	463	docsis satellite$2 decod$4 mac	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 18:38
S55	29	S54 host adj processor	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 18:38

EAST Search History

S56	14	S55 S52	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 20:16
S57	44	satellite modulat$4 demodulat$4 docsis host adj process$4	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 20:16
S58	16	S57 S52	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 20:17
S59	14	S57 S52 mac	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/19 20:16
S60	1	("6816940").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/12/20 10:02
S61	53	satellite same Ethernet same docsis	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 10:03
S62	6	(satellite$1.ab. or satellite$1.ti. or satellite$1.bsum.) same Ethernet same docsis	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 10:09
S63	12888210	@ad<="20020913"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 10:04
S64	6	S62 "7"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 10:04
S65	3	S62 S63	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 10:04
S66	167	(satellite$1.ab. or satellite$1.ti. or satellite$1.bsum.) Ethernet same docsis	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 10:09
S67	84	S66 S63	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 10:17

EAST Search History

S68	13	(plurality or multiple) near4 (earth adj station or ground adj station) same satellite same modem	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 10:18
S69	93444	Ethernet	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 10:18
S70	0	S68 S69 S63	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 10:19
S71	9	S68 S63	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 10:21
S72	381467	internet	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 10:21
S73	0	S71 S72	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 10:22
S74	1005669	network	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 10:22
S75	8	S71 S74	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 10:26
S76	1	("5841765").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/12/20 13:29
S77	1	"6097706".pn. digital	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 13:40
S78	529	burst adj demodulat$4	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 13:40
S79	27	demodulat$4 same filter$4 same qam same fec same equali$8	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 13:41

Ref#	Hits	Query	Databases	Operator	Plurals	Time Stamp
S80	12888210	@ad<="20020913"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 13:41
S81	19	S79 S80	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 13:41
S82	154836	satellite	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 13:41
S83	11	S81 S82	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 14:16
S84	7	analog adj4 digital same filter same demodulat$4 same equali$8 same fec with decod$4	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 14:47
S85	2	S84 S80	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 14:17
S86	1	afe same filter same demodulat$4 same equali$8 same fec with decod$4	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 14:47
S87	10	front adj end same filter same demodulat$4 same equali$8 same fec	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 14:51
S88	3	S87 S82 S80	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 14:48
S89	9	analog adj4 digital same filter same demodulat$4 same equali$8 same fec	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 14:51
S90	82	analog adj4 digital same filter demodulat$4 same equali$8 fec docsis	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 16:01
S91	55	S90 S80	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 14:52

Ref#	Hits	Query	Databases	Operator	Plurals	Time Stamp
S92	447421	front adj end or analog adj front adj end	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 16:01
S93	1207	demodulat$4 same filter same equali$8 same (fec or decod$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 16:02
S94	301	docsis adj mac	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 16:48
S95	1	spi same encrypt$4 same decrypt$4 same MPEG same timing adj generat$4	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 16:47
S96	211	S92 S93 S80	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 16:03
S97	47	S92 same S93 S80	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 16:21
S98	6	S92 same S93 S80 fec	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 16:07
S99	20	fec same de$2scramb$4 same (reed$2solomon or rs) same (deinterleav$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 16:22
S100	7	S99 S80	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 16:22
S101	1	encrypt$4 same decrypt$4 same MPEG same timing adj generat$4	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 16:47
S102	50	docsis adj mac same encrypt$5 same decrypt$5	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 16:48
S103	21	S102 S80	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 17:56

Ref#	Hits	Query	Databases	Operator	Plurals	Time Stamp
S104	0	ingress with eqaulizer	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 17:56
S105	136	Ingress with equalizer	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 17:57
S106	66	S105 S80	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 17:56
S107	2739	docsis	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 17:56
S108	17	S106 S107	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 18:00
S109	1	ingress with adaptive adj4 equalizer	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 17:57
S110	2	ingress with adaptive with equalizer	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 17:57
S111	0	S110 S80	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 17:57
S112	10	S106 S107 satellite	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 18:02
S113	29	S106 satellite	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 18:11
S114	3971	controller same demodulat$4 satellite	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 18:15
S115	208	controller same qam same demodulat$4 satellite	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 18:15

Ref#	Hits	Query	Databases	Operator	Plurals	Time Stamp
S116	2739	docsis	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 18:15
S117	43	S115 S116	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 18:15
S118	28	S117 S80	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 18:15
S119	2	turbo adj decod$4 same deinterleav$4 same synchronization same reed$2solomon	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 18:59
S120	0	S119 S80	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 18:58
S121	2	turbo same decod$4 same deinterleav$4 same synchronization same reed$2solomon	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 18:59
S122	2	turbo same decod$4 same de$2interleav$4 same synchronization same reed$2solomon	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 18:59
S123	5	(radio adj frequency or rf) demodulat$4 same qpsk same decod$4 same (reed$2solomon or rs) same docsis	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 21:32
S124	12888210	@ad<="20020913"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 21:30
S125	3	S123 S124	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 21:30
S126	53	(radio adj frequency or rf) demodulat$4 same qpsk decod$4 same (reed$2solomon or rs) docsis	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 21:32
S127	24	S126 S124	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 21:35

INTERNATIONAL SEARCH REPORT

	International application No.
	PCT/US01/15473

A.   CLASSIFICATION OF SUBJECT MATTER

IPC(7)   :H04J 1/00

US CL   : 370/487

According to International Patent Classification (IPC) or to both national classification and IPC

B.   FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. :   370/487, 352, 395, 465, 466,

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

BRS (EAST)

C.   DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X, P ------- Y, P	US 6,134,419 A (WILLIAMS) 17 October 2000, Abstract, col 3, lines 30-46, col 4, lines 13-32, col 6, lines 8-67, col 13, lines 16-67.	1-17, 25-27 _____ 29-32
Y, P	US 6,208,656 B1 (HRASTER et al) 27 March 2001, col 3, lines 51-67, col 5, lines 1-9, and lines 35-67.	29-32
A, P	US 6,104,908 A (SCHAFFNER et al) 15 August 2000, entire document	1-27
A, P	US 6,137,793 A (GORMAN et al), 24 October 2000, entire document.	1-27

X	Further documents are listed in the continuation of Box C.		See patent family annex.

Date of the actual completion of the international search	Date of mailing of the international search report
28 JUNE 2001	0 2 AUG 2001

Name and mailing address of the ISA/US	Authorized officer
Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231	AHMED ELALLAM
Facsimile No. (703) 305-3230	Telephone No. (703) 305-3900
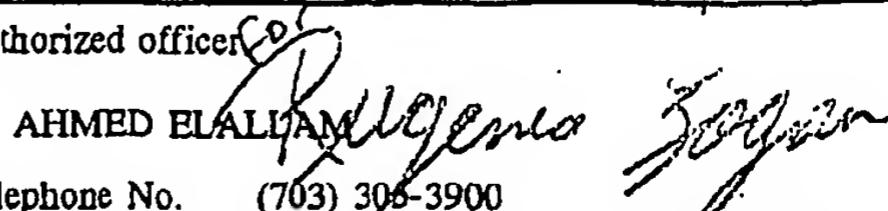
Form PCT/ISA/210 (second sheet) (July 1998) ★

EAST Search History

S12 8	154836	satellite	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 21:35
S12 9	15	S127 S128	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/12/20 21:35

each pair of ground-based SGLIUs. Upcoming versions of